

WHAT IS CLAIMED IS:

1. A speech input terminal for transmitting speech data to a speech recognition apparatus through a wire or wireless communication network comprising:

5 speech input means;

means for creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof; and

10 communication means for transmitting the information to said speech recognition apparatus.

2. The terminal according to claim 1, wherein the information is based on at least one of a characteristic of said speech input means, a noise characteristic, and a speaker characteristic.

15 3. The terminal according to claim 1, further comprising means for, when a data conversion condition for communication based on the information is received from said speech recognition apparatus, converting the speech data on the basis of the conversion condition.

20 4. The terminal according to claim 1, further comprising: means for storing the information;

means for determining whether there has been a change in the information in each communication; and

25 means for, when there has been no change in the information, notifying said speech recognition apparatus of the corresponding information.

5. The terminal according to claim 1, wherein
said terminal further comprises means for creating a
speech recognition model on the basis of the information,
and

5 said communication means transmits the information
and/or the speech recognition model to said speech
recognition apparatus.

~~6.~~ A speech recognition apparatus comprising:
speech recognition means for executing speech
10 recognition processing for speech data transmitted from a
speech input terminal through a wire or wireless
communication network; and

means for receiving information for speech
recognition, which is unique to said speech input terminal
15 or represents an operation state thereof from said speech
input terminal, wherein said speech recognition means
executes speech recognition processing on the basis of the
information.

~~7.~~ A speech recognition apparatus for executing speech
20 recognition processing for speech data transmitted from a
speech input terminal through a wire or wireless
communication network comprising:

means for creating information for speech recognition,
which is unique to said speech input terminal or represents
25 an operation state thereof, on the basis of the transmitted
speech data; and

SUN
AB

means for executing speech recognition processing on the basis of the information.

8. The apparatus according to claim 6, further comprising means for creating a speech recognition model on the basis of the information.

9. The apparatus according to claim 7, further comprising means for creating a speech recognition model on the basis of the information.

SUN
AB
10

10. A speech recognition apparatus for executing speech recognition processing for speech data transmitted from a speech input terminal through a wire or wireless communication network comprising:

means for receiving information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof from said speech input terminal;

means for determining a data conversion condition for communication on the basis of the information; and

means for transmitting the data conversion condition to said speech input terminal.

11. A speech recognition apparatus for executing speech recognition processing for speech data transmitted from a speech input terminal through a wire or wireless communication network comprising:

means for creating information for speech recognition, which is unique to said speech input terminal or represents

Sub
A7

an operation state thereof, on the basis of the transmitted speech data;

means for determining a data conversion condition for communication on the basis of the information; and

5 means for transmitting the data conversion condition to said speech input terminal.

12. The apparatus according to claim 10, wherein the data conversion condition includes a data conversion condition based on a quantization table created on the basis of the
10 information.

13. The apparatus according to claim 11, wherein the data conversion condition includes a data conversion condition based on a quantization table created on the basis of the information.

15 14. The apparatus according to claim 6, further comprising means for, when said speech input terminal comprises a plurality of speech input terminals, storing the information in correspondence with to each of said speech input terminals.

20 15. The apparatus according to claim 7, further comprising means for, when said speech input terminal comprises a plurality of speech input terminals, storing the information in correspondence with to each of said speech input terminals.

25 16. The apparatus according to claim 10, further comprising means for, when said speech input terminal

sub comprises a plurality of speech input terminals, storing the information in correspondence with each of said speech input terminals.

17. The apparatus according to claim 11, further comprising means for, when said speech input terminal comprises a plurality of speech input terminals, storing the information in correspondence with each of said speech input terminals.

18. The apparatus according to claim 8, further comprising means for, when said speech input terminal comprises a plurality of speech input terminals, storing the speech recognition model in correspondence with each of said speech input terminals.

19. The apparatus according to claim 10, further comprising means for, when said speech input terminal comprises a plurality of speech input terminals, storing the data conversion condition in correspondence with each of said speech input terminals.

20. The apparatus according to claim 11, further comprising means for, when said speech input terminal comprises a plurality of speech input terminals, storing the data conversion condition in correspondence with each of said speech input terminals.

~~21~~ A speech communication system comprising a speech input terminal and a speech recognition apparatus which can communicate with each other through a wire or wireless

56
56
communication network wherein

said speech input terminal comprises

speech input means,

means for creating information for speech recognition,

5 which is unique to said speech input terminal or represents
an operation state thereof, and

communication means for transmitting the information
to said speech recognition apparatus, and

said speech recognition apparatus comprises

10 means for executing speech recognition processing on
the basis of the information.

~~22.~~ A speech communication system comprising a speech
input terminal and a speech recognition apparatus which can
communicate with each other through a wire or wireless

15 communication network wherein

said speech recognition apparatus comprises

means for creating information for speech recognition,

which is unique to said speech input terminal or represents
an operation state thereof, on the basis of speech data from

20 said speech input terminal, and

means for executing speech recognition processing on
the basis of the information.

~~23.~~ A speech communication system comprising a speech
input terminal and a speech recognition apparatus which can
25 communicate with each other through a wire or wireless
communication network wherein

Sub
A7

said speech input terminal comprises
speech input means,
means for creating information for speech recognition,
which is unique to said speech input terminal or represents
5 an operation state thereof, and

communication means for transmitting the information
to said speech recognition apparatus, and

said speech recognition apparatus comprises
means for determining a data conversion condition for
10 communication on the basis of the information, and
means for transmitting the data conversion condition
to said speech input terminal.

24. A speech communication system comprising a speech
input terminal and a speech recognition apparatus which can
15 communicate with each other through a wire or wireless
communication network wherein

said speech recognition apparatus comprises
means for creating information for speech recognition,
which is unique to said speech input terminal or represents
20 an operation state thereof, on the basis of speech data from
said speech input terminal,

means for determining a data conversion condition for
communication on the basis of the information, and

means for transmitting the data conversion condition
25 to said speech input terminal.

25. A speech communication method of transmitting speech

52
A7
data from a speech input terminal to a speech recognition apparatus through a wire or wireless communication network comprising:

in the speech input terminal,

- 5 the step of creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof; and

the step of transmitting the information to the speech recognition apparatus.

- 10 ~~26.~~ A speech communication method of executing speech recognition processing for speech data transmitted from a speech input terminal through a wire or wireless communication network comprising:

the step of receiving information for speech

- 15 recognition, which is unique to said speech input terminal or represents an operation state thereof from the speech input terminal; and

the step of executing speech recognition processing on the basis of the information.

- 20 ~~27.~~ A speech communication method of executing speech recognition processing for speech data transmitted from a speech input terminal through a wire or wireless communication network comprising:

the step of creating information for speech

- 25 recognition, which is unique to said speech input terminal or represents an operation state thereof, on the basis of

data transmitted from the speech input terminal; and
the step of executing speech recognition processing
on the basis of the information.

28. A speech communication method of executing speech
5 recognition processing for speech data transmitted from a
speech input terminal through a wire or wireless
communication network comprising:

the step of receiving information for speech
recognition, which is unique to said speech input terminal
10 or represents an operation state thereof from the speech
input terminal;

the step of determining a data conversion condition
for communication on the basis of the information; and

the step of transmitting the data conversion condition
15 to the speech input terminal.

29. A speech communication method of executing speech
recognition processing for speech data transmitted from a
speech input terminal through a wire or wireless
communication network comprising:

20 the step of creating information for speech
recognition, which is unique to said speech input terminal
or represents an operation state thereof, on the basis of
data transmitted from the speech input terminal;

the step of determining a data conversion condition
25 for communication on the basis of the information; and

the step of transmitting the data conversion condition

Sub A
to the speech input terminal.

30. A speech communication method between a speech input terminal and a speech recognition apparatus which can communicate with each other through a wire or wireless communication network comprising:

in the speech input terminal,

the step of creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof; and

10 the step of transmitting the information to the speech recognition apparatus, and

in the speech recognition apparatus,

the step of executing speech recognition processing on the basis of the information.

15 31. A speech communication method between a speech input terminal and a speech recognition apparatus which can communicate with each other through a wire or wireless communication network comprising:

in the speech recognition apparatus,

20 the step of creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof, on the basis of speech data from the speech input terminal; and

the step of executing speech recognition processing on the basis of the information.

32. A speech communication method between a speech input

terminal and a speech recognition apparatus which can communicate with each other through a wire or wireless communication network comprising:

in the speech input terminal,

- 5 the step of creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof; and

the step of transmitting the information to the speech recognition apparatus, and

- 10 in the speech recognition apparatus,

the step of determining a data conversion condition for communication on the basis of the information; and

the step of transmitting the data conversion condition to the speech input terminal.

- 15 33. A speech communication method between a speech input terminal and a speech recognition apparatus which can communicate with each other through a wire or wireless communication network comprising:

in the speech recognition apparatus,

- 20 the step of creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof, on the basis of speech data from the speech input terminal;

- the step of determining a data conversion condition for communication on the basis of the information; and

the step of transmitting the data conversion condition

54
37
to the speech input terminal.

34. A storage medium recording a program for, in order to transmit speech data from a speech input terminal to a speech recognition apparatus through a wire or wireless

5 communication network, causing a computer to function as means for creating information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof, and

communication means for transmitting the information
10 to said speech recognition apparatus.

35. A storage medium recording a program for, in order to execute speech recognition processing on the basis of speech data sent from a speech input terminal through a wire or wireless communication network, causing a computer to

15 function as

means for receiving information for speech recognition, which is unique to said speech input terminal or represents an operation state thereof from said speech input terminal; and

20 means for executing speech recognition processing on the basis of the information.

36. A storage medium recording a program for, in order to execute speech recognition processing on the basis of speech data sent from a speech input terminal through a wire or

25 wireless communication network, causing a computer to function as

Sub
A7

means for creating information for speech recognition,
which is unique to said speech input terminal or represents
an operation state thereof, on the basis of the speech data
transmitted from said speech input terminal, and

5 means for executing speech recognition processing on
the basis of the information.

~~37.~~ A storage medium recording a program for, in order to
execute speech recognition processing on the basis of speech
data sent from a speech input terminal through a wire or
10 wireless communication network, causing a computer to
function as

means for receiving information for speech
recognition, which is unique to said speech input terminal
or represents an operation state thereof from said speech
15 input terminal; and

means for determining a data conversion condition for
communication on the basis of the information, and

means for transmitting the data conversion condition
to said speech input terminal.

20 ~~38.~~ A storage medium recording a program for, in order to
execute speech recognition processing on the basis of speech
data sent from a speech input terminal through a wire or
wireless communication network, causing a computer to
function as

25 means for creating information for speech recognition,
which is unique to said speech input terminal or represents

